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(52) Coprocessor management in a virtual memory virtual machine data processing system.

(50) Management of the operation of a coprocessor in a virtual memory virtual machine data processing system in which an Input/Output channel and an Input/output channel controller interconnect the coprocessor to the main processor and system memory uses a Virtual Resource Manager (VRM) comprising a group of interrelated software programs which function in the system to establish virtual machines that execute application programs concurrently. A Coprocessor Manager component of the VRM establishes a Virtual Machine in which the coprocessor executes application programs that cannot be executed on the main processor. The coprocessor is mounted on an integrated circuit card which is inserted into a 'mother board' socket which contains the main processor and related components.

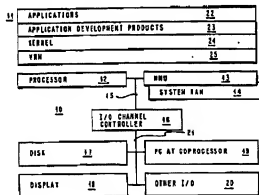


FIG. 1



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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.4) |
| A | MINI-MICRO SYSTEMS, vol. 17, no. 10, August 1984, pages 54,58, US; C. BAILEY: "Virtual microsystems adds PC-DOS compatibility to DEC micros" * Whole article * | 1-9 | G 06 F 9/38 G 06 F 9/46 |
| A | IBM TECHNICAL DISCLOSURE BULLETIN, vol. 29, no. 4, September 1986, pages 1583-1584, Armonk, New Jersey, US; "Method to provide coprocessor access to system memory in a virtual memory system" * Whole article * | 1-9 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.4) |
| | | | G 06 F 9/38 G 06 F 9/46 |
| The present search report has been drawn up for all claims | | | |
| Place of search THE HAGUE | | Date of completion of the search 09-09-1990 | Examiner QUESSON C.J. |
| CATEGORY OF CITED DOCUMENTS | | | |
| X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document | | T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | |

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